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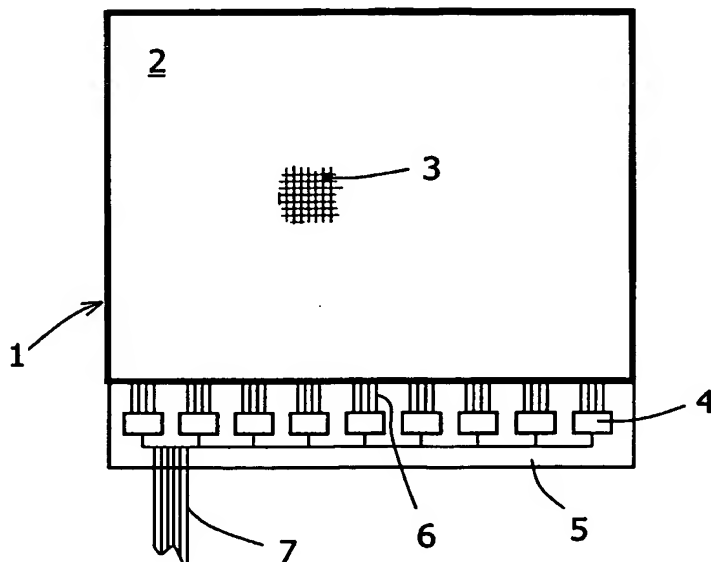
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- (71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-damm 94, 20099 Hamburg (DE).
- (71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW only): **KONINKLIJKE PHILIPS ELECTRONICS N. V.** [NL/NL]; Groenewoud-seweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **RÜTTEN, Walter** [DE/DE]; c/o Philips Intellectual Property &, Standards GmbH Weissshausstr. 2, 52066 Aachen (DE). **NASCETTI, Augusto** [IT/DE]; c/o Philips Intellectual Property &, Standards GmbH Weissshausstr. 2, 52066 Aachen (DE). **OVERDICK, Michael** [DE/DE]; c/o Philips Intellectual Property &, Standards GmbH Weissshausstr. 2, 52066 Aachen (DE).
- (74) Agents: **VOLMER, Georg** et al.; Philips Intellectual Property &, Standards GmbH Weissshausstr. 2, 52066 Aachen (DE).
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(54) Title: X-RAY DETECTOR



(57) Abstract: The invention relates to a detector for an X-ray apparatus, which detector comprises a substrate (1) of amorphous or preferably crystalline silicon with an array (2) of sensor element (3) disposed thereon. Integrated electronic modules (4) having analog-digital converters disposed thereon are mounted on one edge (5) of the substrate (1) by flip-chip contacting or the like and are connected by way of signal leads (6) to the sensor elements. The modules (4) and/or the substrate can additionally comprise amplifiers and multiplexers for processing the sensor signals.



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